

Abstract

A system predictively allocates bandwidth within a wireless network in accordance with a mission plan. The system includes a first team member and a second team member. The first team member predicts subsequent communication demand by the second team member in accordance with the mission plan. The second team member predicts subsequent communication demand by the first team member in accordance with the mission plan. The first team member is allocated a bandwidth commensurate with a predicted need of the first team member and a predicted need of the second team member. The second team member being allocated a bandwidth commensurate with a predicted need of the first team member and the second team member.